Bradley **Kohler**

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About Me

I'm a second-generation Canadian, born and raised in Cambridge, Ontario. Cambridge is known for its rich history and vibrant community. Growing up there shaped my values and curiosity, particularly in understanding how things work around me. My grandparents were very inspiring, prevailing with kindness in their aspiration for a better life in Canada. From them, I inherited a strong connection to my German heritage and continue to learn and speak the language today.

Interests in Engineering

I'm particularly drawn to engineering that bridges hardware and software - where real-time contraints, physical systems, and code all converge. I'm fascinated by embedded systems, wireless communication protocols, and signal processing, especially in contexts where performance, reliability and resource constraints matter. I enjoy working on firmware that communicates with sensors, handles concurrency, or optimizes low-level execution. Whether it's building a custom protocol stack, debugging systems that interact with the physical world, I'm most engaged when solving problems that require both abstraction and precision.

Interests Outside Engineering

Outside of engineering, I enjoy projects that involve creativity and systems thinking. I'm into open-source software, and hands-on work like DIY electronics or mechanical design. I find satisfaction in building things that are both functional and elegant, whether it's a tool, a workflow, or a physical object. In my downtime, I like hiking, playing the piano, and reading about the history of technology, and exploring how complex systems - from audio gear to ecosystems - work and evolve. I value independence, precision, and curiosity in both my hobbies and my daily life.

The Future

Looking ahead, I aspire to become a systems architect - someone who not only writes code but designs the structure, behaviour, and long-term sustainability of complex embedded systems. I want to lead the development of technologies that are both technically sound and commercially meaningful. My goal is to build products that solve real-world problems, scale gracefully, and leave a lasting mark on the market. Whether it's in wireless communication, edge computing, or intelligent devices, I'm driven by the challenge of bringing together hardware, software, and user needs into systems that genuinely matter.